

Title (en)

A METHOD AND APPARATUS FOR ENHANCING MULTICAST GROUP MEMBERSHIP PROTOCOL(S)

Title (de)

VERFAHREN UND VORRICHTUNG ZUR VERBESSERUNG VON MULTICAST-GRUPPENMITGLIEDSCHAFTSPROTOKOLL(EN)

Title (fr)

PROCÉDÉ ET APPAREIL PERMETTANT D'AMÉLIORER DES PROTOCOLES D'APPARTENANCE À UN GROUPE DE MULTIDIFFUSION

Publication

**EP 3622667 B1 20221109 (EN)**

Application

**EP 17725360 A 20170512**

Priority

IB 2017052819 W 20170512

Abstract (en)

[origin: WO2018207005A1] A method and an apparatus for enhancing multicast group membership protocols are described. An adjacent multicast network device, coupled with a plurality of host NDs, determines the number of host NDs that are to receive query messages. The adjacent multicast ND determines its current processing capacity for processing group membership reports to be received from the host NDs. The adjacent multicast ND determines a query response interval based on the number of host NDs and its current processing capacity. The adjacent multicast ND transmits, to each one of the plurality of host NDs, a query message including the query response interval. The query message causes the adjacent multicast ND to receive from each one of the plurality of host NDs a group membership report at a time interval defined based on the query response interval.

IPC 8 full level

**H04L 12/18** (2006.01)

CPC (source: EP US)

**H04L 12/185** (2013.01 - EP US); **H04L 12/1863** (2013.01 - US); **H04L 12/1895** (2013.01 - US); **H04L 67/55** (2022.05 - US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**WO 2018207005 A1 20181115**; EP 3622667 A1 20200318; EP 3622667 B1 20221109; US 10944582 B2 20210309; US 2020195457 A1 20200618

DOCDB simple family (application)

**IB 2017052819 W 20170512**; EP 17725360 A 20170512; US 201716608439 A 20170512